

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/014624 A3

(51) International Patent Classification⁷: **C07K 14/655, 7/64**

(21) International Application Number: **PCT/EP2004/008850**

(22) International Filing Date: **6 August 2004 (06.08.2004)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data: **0318682.2 8 August 2003 (08.08.2003) GB**

(71) Applicant (for all designated States except AT, US): **NOVARTIS AG [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH).**

(71) Applicant (for AT only): **NOVARTIS PHARMA GMBH [AT/AT]; Brunner Strasse 59, AT-1230 Vienna (AT).**

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HELLSTERN, Heribert [DE/DE]; Im Bachacker 9, 79423 Heitersheim (DE). PACHINGER, Werner [AT/CH]; Markgräflerstrasse 75, CH-4057 Basel (CH). PRIKOSZOVICH, Walter [AT/CH]; Längeweg 11, CH-4124 Schönenbuch (CH). WIETFELD, Bernhard [DE/DE]; Dichleweg 27, 79588 Efringen-Kirchen (DE).**

(74) Agent: **GRUBB, Philip; Novartis AG, Corporate Intellectual Property, CH-4002 Basel (CH).**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.**

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): **ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).**

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: **22 September 2005**

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/014624 A3

(54) Title: PREPARATION OF SOMATOSTATIN PEPTIDES

(57) Abstract: Provided is a process for preparing cyclic somatostatin analogues and the linear intermediates used in the process.